AP AB Calculus Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pre-Calculus Review Date 08/23/2010

Find the domain and the range of the function.

1. 2. 3.

Find the equation of the line is slope-intercept form () and

in point slope form ( ).

4. Through (-1, 4) and (2, 6).

5. Through (-1, 4) and (-1, 6).

6. Slope is 6 and through the point (9, 1).

7. Through (2, 3) and parallel to .

8. Horizontal line through (-3, 5).

9. Does the following table of market data suggest a linear relationship between price and number of homes sold during a one-year period? Explain.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Price(thousands of $ | 180 | 195 | 220 | 240 |
| No. of homes | 127 | 118 | 103 | 91 |

10. Sketch the following by hand.

a) b) c)

11. Sketch the points on the unit circle corresponding to the following three angles and find the values of the six standard trigonometric functions at each angle:

(a) (b) (c)

12. Find the inverse of and determine its domain and range.